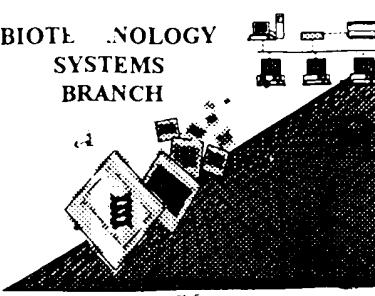


BIOTECHNOLOGY
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CENTER 1600/2900

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/509,559
Source: 1647
Date Processed by STIC: 10/10/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO).

Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be downloaded from the USPTO website at the following address:
<http://www.uspto.gov/web/offices/pac/checker>

#14/90

一一一

1647

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,559

DATE: 10/10/2001
TIME: 10:18:23

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10102001\I509559.raw

SEQUENCE LISTING

- 4 (1) GENERAL INFORMATION:

E--> 5 (i) APPLICANT:

C--> 11 (ii) TITLE OF INVENTION: Cadherin derived growth factor and
12 its use

13 (iii) NUMBER OF SEQUENCES: 14

E--> 0 (iv) CORRESPONDENCE ADDRESS:
7 (B) STREET: Feodor-Lynen-Strasse 31
8 (C) CITY: Hannover
9 (E) COUNTRY: Germany

C--> 10 (F) ZIP: 30625

C--> 14 (v) COMPUTER READABLE FORM:
15 (A) MEDIUM TYPE: Floppy disk
16 (B) COMPUTER: IBM PC compatible
17 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
18 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30 (E)

C--> 0 (vi) CURRENT APPLICATION DATA:
C--> 0 (A) APPLICATION NUMBER: US/09/509,559
C--> 0 (B) FILING DATE: 27-Nov-2000

C--> 0 (viii) ATTORNEY/AGENT INFORMATION:
5 (A) NAME: Wolf-Georg Forssmann

1909 N.Y. City
After the meeting.

ρ_3

ERRORED SEQUENCES

- 20 (2) INFORMATION FOR SEQ ID NO: 1:
 21 (i) SEQUENCE CHARACTERISTICS:
 22 (A) LENGTH: 123 Amino acids
 23 (B) TYPE: Amino acid
 24 (C) STRANDEDNESS: unknown
 25 (D) TOPOLOGY: unknown *MOLECULE* C, please correct
 26 (ii) ~~MOLEKULE~~ TYPE: Peptide
 27 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 28 Cys His Pro Gly Phe Asp Ala Glu Ser Tyr Thr Phe Thr Val Pro Arg
 29 1 5 10 15
 30 Arg His Leu Glu Arg Gly Arg Val Leu Gly Arg Val Asn Phe Cys Thr
 31 20 25 30
 32 Gly Arg Gln Arg Thr Ala Tyr Phe Ser Leu Asp Thr Arg Phe Lys Val
 33 35 40 45
 34 Gly Thr Asp Gly Val Ile Thr Val Lys Arg Pro Leu Arg Phe His Asn
 35 50 55 60
 36 Pro Gln Ile His Phe Leu Val Tyr Ala Trp Asp Ser Thr Tyr Arg Lys
 37 65 70 75 80
 38 Phe Ser Thr Lys Val Thr Leu Asn Gly His His His Arg Pro Pro Pro
 39 85 90 95
 40 His Gln Ala Ser Val Ser Gly Ile Gln Ala Glu Leu Leu Thr Phe Pro
 41 E--> 48 *1x100* <-105 <-110

misaligned word divisions.
(see item 3 in Error Summary Sheet)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/509,559

DATE: 10/10/2001
TIME: 10:18:23

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10102001\I509559.raw

50 Asn Ser Ser Pro Gly Leu Arg Arg Gln Lys Arg
51 115 120

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: *multiple - all representation be on same line or
heading*
 (A) NAME: Wolf-Georg Forssmann
 (B) STREET: Feeder-Lynen-Strasse 31
 (C) CITY: Hannover
~~delete~~
 (E) COUNTRY: Germany
 (F) POSTAL CODE: 30625

(ii) TITLE OF THE INVENTION: Cadherin derived growth factor and
its use TITLE

(iii) NUMBER OF SEQUENCES: 14

(iv) COMPUTER READABLE FORM:

- (A) MEDIUM TYPE: Floppy disk
- (B) COMPUTER: IBM PC compatible
- (C) OPERATING SYSTEM: PC-DOS/MS-DOS
- (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

(2) INFORMATION FOR SEQ ID NO: 1: →

① CORRESPONDENCE ADDRESS:
 (1) ADDRESSEE:
 (2) STREET:
 (3) CITY:
 (4) STATE:
 (5) COUNTRY:
 (6) ZIP:

② CURRENT APPLICATION DATA:
 (1) APPLICATION NUMBER:
 (2) FILING DATE:

(EPA) → EPO format case
is invalid

*add these
mandatory
headings
for U.S. case*

*for U.S.
cases*

*add these
MANDATORY
headings and responses
for*

U.S.

case

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/509,559

DATE: 10/10/2001
TIME: 10:18:24

Input Set : A:\PTO_VSK.txt
Output Set: N:\CRF3\10102001\I509559.raw

L:10 M:220 C: Keyword misspelled or invalid format, [(F) ZIP:]
L:11 M:220 C: Keyword misspelled or invalid format, [(ii) TITLE OF INVENTION:]
L:14 M:220 C: Keyword misspelled or invalid format, [(v) COMPUTER READABLE FORM:]
L:5 M:200 E: Mandatory Header Field missing, [(i) APPLICANT:] of (1) Value not provided
L:0 M:200 E: Mandatory Header Field missing, [(A) ADDRESSEE:] of (1)(iv)
L:0 M:248 E: Inserted missing Mandatory Header Field, [(iv) CORRESPONDENCE ADDRESS:]
L:0 M:247 C: Inserted Optional Header Field, [(viii) ATTORNEY/AGENT INFORMATION:]
L:0 M:249 C: Inserted Mandatory Field, [(vi) CURRENT APPLICATION DATA:]
L:0 M:249 C: Inserted Mandatory Field, [(A) APPLICATION NUMBER:]
L:0 M:249 C: Inserted Mandatory Field, [(B) FILING DATE:]
L:48 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:1